(19) World Intellectual Property **Organization** International Bureau





(43) International Publication Date 21 October 2004 (21.10.2004)

(10) International Publication Number WO 2004/090862 A1

- (51) International Patent Classification7: G10H 1/00, 1/46
- (21) International Application Number:

PCT/EP2004/001765

- (22) International Filing Date: 23 February 2004 (23.02.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

03008182.2

8 April 2003 (08.04.2003)

- (71) Applicant (for all designated States except US): SONY ERICSSON MOBILE COMMUNICATIONS AB [SE/SE]; Nya Vattentornet, S-221 88 Lund (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LECHNER, Thomas [DE/DE]; Schlehenring 115, 85551 Kirchheim (DE).
- (74) Agent: KÖRBER, Martin; Mitscherlich & Partner, Sonnenstrasse 33, Postfach 33 06 09, 80066 München (DE).

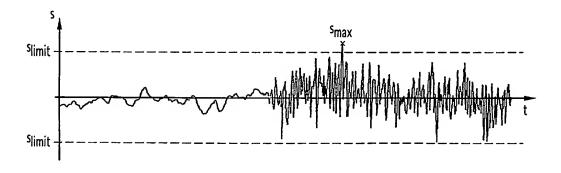
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: OPTIMISATION OF MIDI FILE REPRODUCTION



2004/090862 A1 (57) Abstract: A method for adapting a score stored in a MIDI file for being reproduced on a mobile terminal to the transfer function of an electroacoustic reproduction circuitry is provided. Hereby, a test rendering of the score for to obtain sampled data is performed prior to a reproduction of the score on the mobile terminal. From these sampled data, one or more values and or combination of values important for a desired electroacoustic reproduction on the mobile terminals are identified, and based on these identified values, one or more parameters suited for adapting the score with respect to the desired or optimised reproduction on the mobile terminal are determined.

